

=> d his ful

(FILE 'HOME' ENTERED AT 10:47:58 ON 21 DEC 2005)

FILE 'HCAPLUS' ENTERED AT 10:48:09 ON 21 DEC 2005

E US20040211294/PN

L1 1 SEA ABB=ON PLU=ON US20040211294/PN
D ALL
SEL RN

FILE 'REGISTRY' ENTERED AT 10:49:35 ON 21 DEC 2005

L2 10 SEA ABB=ON PLU=ON (124-38-9/BI OR 13283-01-7/BI OR
1333-74-0/BI OR 14040-11-0/BI OR 62571-53-3/BI OR
630-08-0/BI OR 7440-33-7/BI OR 7440-37-1/BI OR
7440-59-7/BI OR 7727-37-9/BI)
D SCAN
D L2 1-10 RN STR

FILE 'HCAPLUS' ENTERED AT 11:37:44 ON 21 DEC 2005

D SCAN L1

FILE 'REGISTRY' ENTERED AT 11:37:44 ON 21 DEC 2005

L3 1 SEA ABB=ON PLU=ON 7440-33-7/RN
D SCAN

L4 1 SEA ABB=ON PLU=ON 13283-01-7/RN
D SCAN

L5 1 SEA ABB=ON PLU=ON 14040-11-0/RN
D SCAN

L6 1 SEA ABB=ON PLU=ON 62571-53-3/RN
D SCAN

FILE 'HCAPLUS' ENTERED AT 11:40:40 ON 21 DEC 2005

D SCAN L1

FILE 'REGISTRY' ENTERED AT 11:40:40 ON 21 DEC 2005

L7 1 SEA ABB=ON PLU=ON 7440-59-7/RN
D SCAN

L8 1 SEA ABB=ON PLU=ON 7440-37-1/RN
D SCAN

L9 1 SEA ABB=ON PLU=ON 7727-37-9/RN
D SCAN

FILE 'HCAPLUS' ENTERED AT 11:46:35 ON 21 DEC 2005

E NANOPHASE/CT

E NANO PHASE/CT

L10 2348 SEA ABB=ON PLU=ON NANOPHAS? OR NANO(A) PHAS?
 L11 4296 SEA ABB=ON PLU=ON L3/P
 E POWDER/CT
 E POWDERS/CT
 L12 32243 SEA ABB=ON PLU=ON POWDER?/CT
 L13 QUE ABB=ON PLU=ON PARTICL? OR MICROPARTICL? OR
 PARTICULAT? OR DUST? OR GRIT? OR GRAIN# OR GRANUL? OR
 POWDER? OR SOOT? OR SMUT? OR FINES# OR PRILL? OR
 FLAKE# OR PELLET? OR BB#
 L14 79 SEA ABB=ON PLU=ON L12 (2A) L10
 L15 0 SEA ABB=ON PLU=ON L14 AND L11
 L16 3 SEA ABB=ON PLU=ON L10 (3A) L11
 D SCAN
 D QUE L13
 L17 506 SEA ABB=ON PLU=ON L4/RCT
 L18 1898 SEA ABB=ON PLU=ON L5/RCT
 L19 14 SEA ABB=ON PLU=ON L6/RCT
 L20 81 SEA ABB=ON PLU=ON ((L17 OR L18 OR L19)) AND L11
 E NANOPARTICLES/CT
 E E3+ALL
 L21 30533 SEA ABB=ON PLU=ON NANOPARTICLE?/CT
 L22 2 SEA ABB=ON PLU=ON L20 AND (L10 OR L21)
 D SCAN
 L23 0 SEA ABB=ON PLU=ON L1 AND L22
 L24 1 SEA ABB=ON PLU=ON L1 AND L11
 L25 0 SEA ABB=ON PLU=ON L20 AND L1
 L26 0 SEA ABB=ON PLU=ON L1 AND L17
 L27 41 SEA ABB=ON PLU=ON L11 AND (L10 OR L21)
 L28 1 SEA ABB=ON PLU=ON L1 AND L27
 D SCAN
 E NANOPARTICLES/CT
 E E3+ALL
 D QUE L13
 L29 128094 SEA ABB=ON PLU=ON NANOPARTICL? OR NANOCRYST? OR
 NANOSTRUCT? OR NANOSCAL? OR NANOPOWDER? OR NANOGRAIN?
 OR NANO(A) (CRYST? OR STRUCT? OR SCAL?)
 L30 3922 SEA ABB=ON PLU=ON NANO(A) L13
 L31 101 SEA ABB=ON PLU=ON L11 AND (L29 OR L30)
 L32 104 SEA ABB=ON PLU=ON L31 OR L27
 L33 1 SEA ABB=ON PLU=ON L32 AND L1
 L34 2540 SEA ABB=ON PLU=ON L4
 D KWIC
 L35 4656 SEA ABB=ON PLU=ON L34 OR (TUNGSTEN OR W) (A) (CHLORIDE
 OR CL) OR WCL OR WCL6
 L36 3162 SEA ABB=ON PLU=ON L5

L37 5478 SEA ABB=ON PLU=ON L36 OR ((TUNGSTEN OR W) (A) (CARBONYL
OR HEXACARBONYL OR HEXA(A) CARBONYL OR C(W) 6 (W) O (W) 6))
OR W(W) C (W) 6 (W) O (W) 6

FILE 'REGISTRY' ENTERED AT 12:35:16 ON 21 DEC 2005
D L6 CN

FILE 'HCAPLUS' ENTERED AT 12:36:08 ON 21 DEC 2005

L38 45 SEA ABB=ON PLU=ON L6
L39 45 SEA ABB=ON PLU=ON L38 OR ((TUNGSTEN OR W) (A) (HEXAETHO
XIDE OR HEXA(A) ETHOX?)) OR HEXAETHOXYTUNGSTEN
L40 223 SEA ABB=ON PLU=ON L11 AND (L35 OR L37 OR L39)
L41 1 SEA ABB=ON PLU=ON L1 AND L40
L42 107515 SEA ABB=ON PLU=ON L7
D KWIC
L43 96994 SEA ABB=ON PLU=ON L8
L44 287111 SEA ABB=ON PLU=ON L9

FILE 'REGISTRY' ENTERED AT 12:44:17 ON 21 DEC 2005

FILE 'HCAPLUS' ENTERED AT 12:44:32 ON 21 DEC 2005
D SCAN L1

FILE 'REGISTRY' ENTERED AT 12:44:32 ON 21 DEC 2005

L45 1 SEA ABB=ON PLU=ON 1333-74-0/RN
D SCAN

FILE 'HCAPLUS' ENTERED AT 12:45:04 ON 21 DEC 2005

L46 305938 SEA ABB=ON PLU=ON L45
L47 107814 SEA ABB=ON PLU=ON (L42 OR HELIUM OR HE OR L43 OR
ARGON OR AR OR L44 OR NITROGEN OR N2 OR L45 OR
HYDROGEN OR H2 OR H) (A) (GAS OR GASES OR ATMOSPHERE OR
ATM OR VAPOR)
L48 69521 SEA ABB=ON PLU=ON INERT(A) (GAS OR GASES OR ATMOSPHER?
OR ATM OR VAPOR)
L49 10 SEA ABB=ON PLU=ON L40 AND (L47 OR L48)
D SCAN
D SCAN TI
L50 1 SEA ABB=ON PLU=ON L49 AND L1
D QUE L32
L51 QUE ABB=ON PLU=ON SUBLIMAT? OR EVAPOR? OR EVAPOUR?
OR VAPORI? OR VAPOURI?
L52 9 SEA ABB=ON PLU=ON L32 AND L51
D SCAN
D SCAN TI

L53	1	SEA ABB=ON	PLU=ON	L49 AND L51
		D SCAN		
L54	5	SEA ABB=ON	PLU=ON	L32 AND L48
		D SCAN TI		
L55	412222	SEA ABB=ON	PLU=ON	LOW(2A) PRESSUR? OR VACUUM?
L56	9	SEA ABB=ON	PLU=ON	L55 AND L32
		D SCAN TI		
L57	5	SEA ABB=ON	PLU=ON	L32 AND CARBURI?
		D SCAN TI		
L58	6	SEA ABB=ON	PLU=ON	L32 AND CONDENS?
		D SCAN		
		D SCAN TI		
L59	0	SEA ABB=ON	PLU=ON	L14 AND L1
		D QUE L35		
L60	39	SEA ABB=ON	PLU=ON	L16 OR L22 OR L49 OR L52 OR L54 OR
		L56 OR L57 OR L58		
L61	63	SEA ABB=ON	PLU=ON	L60 OR L27
L62	24	SEA ABB=ON	PLU=ON	L61 NOT L60
L63		QUE ABB=ON	PLU=ON	HEAT? OR COOL? OR (HIGH## OR
		HEIGHTEN? OR RAIS? OR ELEVAT? OR LOW OR LOWER OR		
		LOWEST OR COOL) (2A) (TEMP# OR TEMPERATUR?) OR REFRIDG?		
		OR FREEZ? OR FROZ?		
L64	16	SEA ABB=ON	PLU=ON	L63 AND L60
L65	3	SEA ABB=ON	PLU=ON	L60 AND (DEG OR DEGREE?) (A) (C OR F
		OR K OR CELSIUS OR CENTIGRAD? OR FAHRENHEIT? OR		
		KELVIN?)		
L66	39	SEA ABB=ON	PLU=ON	L60 OR L64 OR L65
L67		QUE ABB=ON	PLU=ON	PRODUC? OR PROD# OR GENERAT? OR
		MANUF? OR MFR# OR CREAT? OR FORM## OR FORMING# OR		
		FORMAT? OR MAKE# OR MADE# OR MAKING# OR FABRICAT? OR		
		SYNTHESI? OR PREPAR? OR PREP#		
L68	90280	SEA ABB=ON	PLU=ON	L3
L69	4001	SEA ABB=ON	PLU=ON	(L68 OR TUNGSTEN OR W) AND (L10 OR
		L14 OR L21 OR L29 OR L30)		
L70	3233	SEA ABB=ON	PLU=ON	L69 AND L67
		D QUE L69		
L71	92	SEA ABB=ON	PLU=ON	L70 AND (L35 OR L37 OR L39)
L72	8	SEA ABB=ON	PLU=ON	L71 AND (L47 OR L48)
		D SCAN		
		D SCAN TI		
L73	151	SEA ABB=ON	PLU=ON	L70 AND (L47 OR L48)
L74	24	SEA ABB=ON	PLU=ON	L73 AND L51
		D SCAN TI		
L75	2	SEA ABB=ON	PLU=ON	L74 AND L55
L76	18	SEA ABB=ON	PLU=ON	L74 AND L63

```

      D SCAN TI
L77      39559 SEA ABB=ON   PLU=ON   (L68 OR TUNGSTEN OR W) (2A) L67
L78      730 SEA ABB=ON   PLU=ON   L77(2A) (L10 OR L14 OR L21 OR L29
      OR L30)
L79      58 SEA ABB=ON   PLU=ON   L78 AND (L35 OR L37 OR L39)
L80      7 SEA ABB=ON   PLU=ON   L79 AND (L47 OR L48)
L81      60 SEA ABB=ON   PLU=ON   L78 AND (L47 OR L48)
L82      11 SEA ABB=ON   PLU=ON   L81 AND L51
L83      2 SEA ABB=ON   PLU=ON   L82 AND L55
L84      8 SEA ABB=ON   PLU=ON   L82 AND L63
L85      24 SEA ABB=ON   PLU=ON   L81 AND L63
L86      32 SEA ABB=ON   PLU=ON   L72 OR L80 OR (L82 OR L83 OR L84
      OR L85)
L87      67 SEA ABB=ON   PLU=ON   L86 OR L66
      D SCAN TI
L88      28 SEA ABB=ON   PLU=ON   L87 NOT L66
      D SCAN TI
      D L88 1-28 TI
      D L88 3 ALL

```

=> => d que stat 166

```

L3      1 SEA FILE=REGISTRY ABB=ON   PLU=ON   7440-33-7/RN
L4      1 SEA FILE=REGISTRY ABB=ON   PLU=ON   13283-01-7/RN
L5      1 SEA FILE=REGISTRY ABB=ON   PLU=ON   14040-11-0/RN
L6      1 SEA FILE=REGISTRY ABB=ON   PLU=ON   62571-53-3/RN
L7      1 SEA FILE=REGISTRY ABB=ON   PLU=ON   7440-59-7/RN
L8      1 SEA FILE=REGISTRY ABB=ON   PLU=ON   7440-37-1/RN
L9      1 SEA FILE=REGISTRY ABB=ON   PLU=ON   7727-37-9/RN
L10     2348 SEA FILE=HCAPLUS ABB=ON   PLU=ON   NANOPHAS? OR NANO(A) PH
      AS?
L11     4296 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L3/P
L13     QUE ABB=ON   PLU=ON   PARTICL? OR MICROPARTICL? OR PARTI
      CULAT? OR DUST? OR GRIT? OR GRAIN# OR GRANUL? OR POWDER
      ? OR SOOT? OR SMUT? OR FINES# OR PRILL? OR FLAKE# OR PE
      LLET? OR BB#
L16     3 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L10(3A) L11
L17     506 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L4/RCT
L18     1898 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L5/RCT
L19     14 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L6/RCT
L20     81 SEA FILE=HCAPLUS ABB=ON   PLU=ON   ((L17 OR L18 OR L19))
      AND L11
L21     30533 SEA FILE=HCAPLUS ABB=ON   PLU=ON   NANOPARTICLE?/CT

```

L22 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 AND (L10 OR L21)
 L27 41 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 AND (L10 OR L21)
 L29 128094 SEA FILE=HCAPLUS ABB=ON PLU=ON NANOPARTICL? OR
 NANOCRYST? OR NANOSTRUCT? OR NANOSCAL? OR NANOPOWDER?
 OR NANOGRAIN? OR NANO(A) (CRYST? OR STRUCT? OR SCAL?)
 L30 3922 SEA FILE=HCAPLUS ABB=ON PLU=ON NANO(A) L13
 L31 101 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 AND (L29 OR L30)
 L32 104 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 OR L27
 L34 2540 SEA FILE=HCAPLUS ABB=ON PLU=ON L4
 L35 4656 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 OR (TUNGSTEN OR
 W) (A) (CHLORIDE OR CL) OR WCL OR WCL6
 L36 3162 SEA FILE=HCAPLUS ABB=ON PLU=ON L5
 L37 5478 SEA FILE=HCAPLUS ABB=ON PLU=ON L36 OR ((TUNGSTEN OR
 W) (A) (CARBONYL OR HEXACARBONYL OR HEXA(A) CARBONYL OR
 C(W)6(W)O(W)6)) OR W(W)C(W)6(W)O(W)6
 L38 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L6
 L39 45 SEA FILE=HCAPLUS ABB=ON PLU=ON L38 OR ((TUNGSTEN OR
 W) (A) (HEXAETHOXIDE OR HEXA(A) ETHOX?)) OR HEXAETHOXYTUNG
 STEN
 L40 223 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 AND (L35 OR L37
 OR L39)
 L42 107515 SEA FILE=HCAPLUS ABB=ON PLU=ON L7
 L43 96994 SEA FILE=HCAPLUS ABB=ON PLU=ON L8
 L44 287111 SEA FILE=HCAPLUS ABB=ON PLU=ON L9
 L45 1 SEA FILE=REGISTRY ABB=ON PLU=ON 1333-74-0/RN
 L47 107814 SEA FILE=HCAPLUS ABB=ON PLU=ON (L42 OR HELIUM OR HE
 OR L43 OR ARGON OR AR OR L44 OR NITROGEN OR N2 OR L45
 OR HYDROGEN OR H2 OR H) (A) (GAS OR GASES OR ATMOSPHERE
 OR ATM OR VAPOR)
 L48 69521 SEA FILE=HCAPLUS ABB=ON PLU=ON INERT(A) (GAS OR GASES
 OR ATMOSPHER? OR ATM OR VAPOR)
 L49 10 SEA FILE=HCAPLUS ABB=ON PLU=ON L40 AND (L47 OR L48)
 L51 QUE ABB=ON PLU=ON SUBLIMAT? OR EVAPOR? OR EVAPOUR? O
 R VAPORI? OR VAPOURI?
 L52 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND L51
 L54 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND L48
 L55 412222 SEA FILE=HCAPLUS ABB=ON PLU=ON LOW(2A) PRESSUR? OR
 VACUUM?
 L56 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L55 AND L32
 L57 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND CARBURI?
 L58 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND CONDENS?
 L60 39 SEA FILE=HCAPLUS ABB=ON PLU=ON L16 OR L22 OR L49 OR
 L52 OR L54 OR L56 OR L57 OR L58
 L63 QUE ABB=ON PLU=ON HEAT? OR COOL? OR (HIGH## OR HEIGH
 TEN? OR RAIS? OR ELEVAT? OR LOW OR LOWER OR LOWEST OR C
 OOL) (2A) (TEMP# OR TEMPERATUR?) OR REFRIDG? OR FREEZ? OR
 FROZ?
 L64 16 SEA FILE=HCAPLUS ABB=ON PLU=ON L63 AND L60
 L65 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L60 AND (DEG OR
 DEGREE?) (A) (C OR F OR K OR CELSIUS OR CENTIGRAD? OR
 FAHRENHEIT? OR KELVIN?)
 L66 39 SEA FILE=HCAPLUS ABB=ON PLU=ON L60 OR L64 OR L65